ABSTRACT

A method for expressing proteins as a fusion chimera with a domain of p26 or alpha crystallin type proteins to improve the protein stability and solubility when over expressed in bacteria such as *E. coli* is provided. Genes of interest are cloned into the mutiple cloning site of the pROTECT Vector System just downstream of the p26 or alpha crystallin type protein and a thrombin cleavage site. Protein expression is driven by a strong bacterial promoter (TAC). The expression is induced by the addition of 1mM IPTG that overcomes the lac repression (lac I_q). The soluble recombinant protein is purified using a fusion tag.

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